

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/102279 A1(51) International Patent Classification⁷: D02G 3/44, 3/12

(21) International Application Number: PCT/EP03/05744

(22) International Filing Date: 2 June 2003 (02.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
FI2002A000092 4 June 2002 (04.06.2002) IT

(71) Applicants (for all designated States except US): EOS S.R.L. [IT/IT]; Via Salvo d'Acquisto, 37, I-20049 Concorezzo (IT). PROTECH 1 S.R.L. [IT/IT]; Via Fratelli Cervi, 13, I-59013 Montemurlo (IT).

(71) Applicant and

(72) Inventor: DE CAVI, Francesco [IT/IT]; Via Flaminia 670, I-00191 Roma (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): MONTINI, Leonardo [IT/IT]; Via della Stufa, 24, I-59100 Prato (IT).

(74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi S.p.A., Corso di Porta Vittoria 9, 20122 Milan (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: YARNS AND FABRICS SUITED FOR THE SHIELDING, BY REFLECTANCE, OF ELECTROMAGNETIC WEAVES

(57) Abstract: Yarns and fabrics capable of shielding by reflectance the electromagnetic weaves, thanks to their special composition in metallic and textile fibres are described.

WO 03/102279 A1

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05744

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D02G3/44 D02G3/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D02G G21F A41D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 383 059 A (FINEX HANDELS GMBH) 22 August 1990 (1990-08-22) claims 1-7	1-5, 7-9, 11-13
X	US 5 617 713 A (CHOUDHURY SUBRATA ET AL) 8 April 1997 (1997-04-08) claims 1-3, 6, 7	1-3, 8, 11-13
X	US 4 064 305 A (WALLIN ERIK W) 20 December 1977 (1977-12-20) claims 1-3	1-4, 8, 11-13
X	DE 38 20 127 A (NUKLEARE SICHERHEITS PROD ;TG TECHNO GARNE GMBH (DE)) 14 December 1989 (1989-12-14) claims 1, 7, 8	1-3, 8, 11-13
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

24 September 2003

Date of mailing of the international search report

02/10/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

D'Souza, J

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05744

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 290 977 A (COATS & CLARK) 17 November 1988 (1988-11-17) claims 1,4,6,7 -----</p>	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/05744

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0383059	A	22-08-1990	DE 8907655 U1	09-11-1989
			YU 33689 A1	31-12-1990
			AT 83272 T	15-12-1992
			AU 5098790 A	05-09-1990
			CA 2045409 A1	16-08-1990
			CN 1045428 A ,B	19-09-1990
			DD 297850 A5	23-01-1992
			DE 9018020 U1	10-03-1994
			DE 69000539 D1	21-01-1993
			DE 69000539 T2	08-07-1993
			WO 9009473 A1	23-08-1990
			EP 0383059 A1	22-08-1990
			EP 0458851 A1	04-12-1991
			GR 3006850 T3	30-06-1993
			JP 4506545 T	12-11-1992
			KR 9410630 B1	24-10-1994
			PL 283789 A1	11-03-1991
			PT 93147 A	31-08-1990
			TR 24622 A	01-01-1992
			US 5103504 A	14-04-1992
			CN 1091484 A	31-08-1994
			ZA 9001106 A	28-12-1990
US 5617713	A	08-04-1997	DE 3820127 A1	14-12-1989
			DE 3820091 A1	14-12-1989
			AT 85092 T	15-02-1993
			AU 3767289 A	12-01-1990
			DE 58903416 D1	11-03-1993
			WO 8912706 A1	28-12-1989
			EP 0419527 A1	03-04-1991
			JP 3505238 T	14-11-1991
US 4064305	A	20-12-1977	BE 841749 A1	01-09-1976
			CA 1051213 A1	27-03-1979
			DE 2620093 A1	25-11-1976
			FR 2311117 A1	10-12-1976
			GB 1520333 A	09-08-1978
			JP 51139962 A	02-12-1976
			SE 420236 B	21-09-1981
			SE 7602252 A	14-11-1976
DE 3820127	A	14-12-1989	DE 3820127 A1	14-12-1989
			AT 85092 T	15-02-1993
			AU 3767289 A	12-01-1990
			DE 58903416 D1	11-03-1993
			WO 8912706 A1	28-12-1989
			EP 0419527 A1	03-04-1991
			JP 3505238 T	14-11-1991
			US 5617713 A	08-04-1997
EP 0290977	A	17-11-1988	US 4776160 A	11-10-1988
			EP 0290977 A1	17-11-1988
			JP 1045833 A	20-02-1989
			US 4813219 A	21-03-1989